

Chapter 3.4 Water Quality Based Limited Sources – Category 4B and 5E Waters

Waters formerly called 303(d) Part II waters are now categorized as either 4B or 5E. These are waters where modeling has determined that water quality-based discharge permit limits are necessary to maintain, or attain, water quality standards in the receiving stream and those discharge facilities are under schedules of compliance to upgrade or expand their treatment processes. In such cases, Virginia Pollutant Discharge Elimination System (VPDES) permit effluent limitations need to be more stringent than technology-based requirements. TMDLs are not expected for 4B or 5E waters because attainment with water quality standards will be achieved through the VPDES permit issuance, re-issuance, or consent order processes.

Category 4B waters are those that are currently on schedule to meet standards. There are 96 Category 4B waters in the 2006 assessment. Category 5E waters are those where the compliance date will extend beyond the next assessment report release date (2008). A 5E water can occur, as one example, where a discharge facility cannot be modified and must be replaced. The construction schedule of such a facility might extend beyond 2008. There are 21 waters designated as 5E in the 2006 assessment.

In 2002 DEQ began making annual submittals to EPA requesting delisting of 4B (and 5E) waters that now meet water quality standards and permit limits. EPA requires specific documentation for each water on the list. These 4B delistings are found in Chapter 3.4a.

2006 Water Quality Based Limited Sources - Category 4B and 5E Waters

VPDES Permit Number	Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Potomac River & Shenandoah River Basins								
VA0060968	Austin Run-UT	E.Coli	001	Aquia Wastewater Treatment Facility	4B	2006	4/1/2005	An Amendement to a Consent Special Order, which covers the e.coli parameter, is in effect.
VA0089214	Duncan Run	Ammonia	001	Flying J Inc.	5E	2006	12/1/2008	12/1/08 Compliance Schedule for Ammonia
VA0020974	South Fork Catoctin Creek-UT	Copper	001	Hamilton, Town STP	4B	2002	11/29/2004	Based on permit compliance schedule. Final copper effluent limits have not yet been met.
VA0070106	Pine Hill Creek, UT	Copper, Lead, Selenium, Silver, Zinc	001	Purkins Corner Wastewater Treatment Plant	4B	2004	1/24/2006	Based on permit compliance schedule. Final copper, lead, selenium, silver, and zinc effluent limits have not yet been met.
VA0026409	Monroe Bay	Chlorine, ammonia, TN, TP	001	Town of Colonial Beach STP	4B	2006	7/8/2009	7/8/2009 compliance schedule for chlorine, ammonia, total nitrogen, and total phosphorus
VA0022322	Middle River X-Trib	Ammonia	001	ACSA - Mt Sidney STP	4B	2002	9/30/2005	9/30/05 compliance schedule for Ammonia
VA0067067	Shenandoah River X-Trib	Ammonia	001	Christendom College STP	5E	2002	1/10/2008	1/10/08 compliance schedule for ammonia
VA0085171	Roseville Run	Ammonia	001	Clarke County Sanitation Authority	5E	2006	7/1/2006	7/1/09 compliance schedule for ammonia
VA0073245	SF Shenandoah River	Ammonia	001	Coors Brewing Company - Shenandoah Brewery	4B	2004	2/12/2006	2/12/06 compliance schedule for ammonia
VA0071927	Hogue Creek UT	Ammonia-N	001	Frederick County Public Schools	5E	2006	11/4/2009	11/1/09 compliance schedule for Ammonia-N
VA0020982	Meadow Brook	Ammonia, TSS	001	Middletown	4B	2006	10/10/2005	10/10/05 Compliance schedule for ammonia and TSS. CSO provides relief from permit based NH3-N limit. Compliance schedule allows for compliance for ammonia to be achieved by a later unspecified date.
VA0023281	West Strait Creek	Ammonia	001	Monterey STP	5E	1998	11/30/2004	Consent Order with compliance by 11/30/04 with completion of I & I work. Town to monitor until 11/30/05 to determine if limits can be met.. DEQ will re-evaluate VPDES permit limits at that time.
VA0021318	Foltz Creek, U.T.	Ammonia	001	Page County High School	4B	2004	6/30/2006	6/30/06 compliance schedule for ammonia
VA0088994	War Branch	Ammonia	001	Roy Kircher, Mountain Valley KOA	5E	2006	9/1/2009	9/1/09 compliance schedule for ammonia
VA0088811	Crooked Run UT	Ammonia	001	Sandy's Mobile Home Community LLC	5E	2006	12/1/2008	12/1/08 Compliance schedule for ammonia
VA0090271	N.F. Shenandoah River UT	Ammonia	001	Sheetz Incorporated	5E	2006	10/6/2008	10/6/08 Compliance Schedule for ammonia
VA0024422	East Hawksbill Creek UT	Ammonia	001	Shenandoah National Park	5E	2006	7/21/2007	7/21/07 Compliance schedule for ammonia
VA0090263	North Fork Shenandoah River	Tributyltin, CBOD5, Ammonia	001	SIL Cleanwater LLC	5E	2006	10/16/2008	10/16/08 Compliance Schedule for Tributyltin, CBOD5, Ammonia
VA0028037	South River UT	Total Recoverable Zinc	001	Skyline Swannanoa	4B	2006	6/25/2005	6/25/05 Compliance schedule for Total Recoverable Zinc

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VA0090085	Cooks Creek	TSS	001	Town of Dayton	5E	2006	1/15/2008	1/15/08 Compliance schedule for TSS
VA0030121	Cedar Creek	TRC	001	Tri State Christian Service Camp	4B	2006	7/3/2005	7/3/05 Compliance schedule for TRC-DMR not received as yet to determine compliance
VA0027626	Dry Fork - UT	Ammonia	001	Valley View Mobile Home Park	4B	1998	8/1/2004	8/1/04 facility scheduled to go off-line, Facility now off-line and lagoon being closed. Due to groundwater infiltration to lagoon, a discharge is continuing and VRO Enforcement does not want to de-list until fully closed.
VA0021342	N.F. Shenandoah River	TRC/Fecal Coliform	001	Virginia Military Institute	4B	2006	5/18/2005	5/18/05 Compliance schedule for TRC/Fecal Coliform
James River Basin								
VA0027979	Jackson River	Chlorine (CL2)	001	Alleghany County - Low Moor STP	4B	2006	10/28/2007	2006 Listing Basis: The water is the mixing zone for the Alleghany County Board of Supervisors - Alleghany County - Lowmoor STP (VA0027979). The permit contains a water quality based effluent limit for chlorine (CL2). A schedule of compliance (10/28/2007) to meet the limit is in the permit.
VA0020257	South Fork Appomattox River	Zinc	001	Appomattox Water Reclamation Facility - SBR	4B	2006	10/1/2008	10/1/2008 Compliance Schedule for Zinc
VA0090972	Cedar Creek, U.T.	Total Residual Chlorine	001	Cedar Creek STP formerly Bath County Trailer Park	5E	2004	10/1/2004	Did not meet compliance schedule for TRC, new facility to be constructed, plans have been submitted for review
VA0062031	Tussocky Creek, UT	Ammonia, cBOD & TKN	001	Evergreen Mobile Home Park	4B	2004	10/1/2005	Discharge permit revoked and reissued effective 4/8/2004. Modeled expansion set water quality based limits for cBOD and TKN.
VA0003026	James River	Whole Effluent Toxicity (WET)	006	Georgia-Pacific Corporation	4B	2006	6/30/2007	2006 Listing Basis: The water is the mixing zone for Georgia-Pacific Corporation (VA0003026). The permit contains a water quality based effluent limit for Whole Effluent Toxicity (WET) chronic. A schedule of compliance (6/30/2007) to meet the limit is in the permit.
VA0063690	James River	Total Nitrogen, Total Phosphorus	001	Henrico County WWRF	4B	2006	12/2/2009	12/2/2009 compliance schedule for total nitrogen and total phosphorus (CB annual loadings)
VA0003492	Bailey Creek	Dissolved Oxygen	005	Hercules Aqualon, Inc.	4B	2006	10/31/2007	October 2007 compliance schedule for dissolved oxygen. It is currently met during the winter months, but must comply all year within 15 months of construction
VA0003492	Bailey Creek	Dissolved Oxygen	006	Hercules Aqualon, Inc.	4B	2006	10/31/2007	October 2007 compliance schedule for dissolved oxygen. It is currently met during the winter months, but must comply all year within 15 months of construction
VA0003492	Bailey Creek	Dissolved Oxygen	905	Hercules Aqualon, Inc.	4B	2006	10/31/2007	October 2007 compliance schedule for dissolved oxygen. It is currently met during the winter months, but must comply all year within 15 months of construction

2006 Water Quality Based Limited Sources - Category 4B and 5E Waters

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VA0003492	Bailey Creek	Dissolved Oxygen	906	Hercules Aqualon, Inc.	4B	2006	10/31/2007	October 2007 compliance schedule for dissolved oxygen. It is currently met during the winter months, but must comply all year within 15 months of construction
VA0088960	Linkswiler Branch	Ammonia	001	Kerrs Creek STP formerly Canaan Valley Estates STP	4B	2002	4/3/2004	4/3/04 compliance schedule for ammonia - still violates in winter - has allowed permit to expire - permit writer recommends facility remain listed
VA0027910	Little River, UT	Ammonia, Total Kjeldahl Nitrogen	001	Manakin Farms	4B	2006	9/30/2007	compliance schedule for ammonia and TKN
VA0004677	Maury River	TRC, Ammonia	001	Mohawk Industries - Lee's Carpets	5E	2006	3/1/2009	3/1/09 Compliance schedule for TRC and Ammonia
VA0031321	Rutledge Creek	Ammonia & BOD	001	Rutledge Creek WWTP	4B	2006	12/26/2009	Formerly Town of Amherst STP - Change Effective 9-29-04 2006 Cycle - delist Copper, Nickel and Zinc
VA0058734	Moore's Creek X-Trib	Ammonia, Benzene, BOD5, Toluene, Total Xylenes	001	Smiley's Fuel City formerly Circle K #5362	5E	2004	6/26/2004	6/26/04 compliance schedule for ammonia, BOD5, Benzene, Toluene, Total Xylenes, due to ownership change, parameters were not monitored. New permit with monitoring requirements has been issued and new compliance schedule of 8/1/09 for Naphthalene, Ethylbenzene, Total Xylenes and MTBE
VA0063291	Troublesome Creek, UT	Ammonia	001	Sprouses Motel	4B	2004	6/30/2006	
VA0083135	Appomattox River	Copper	001	Town of Farmville WWTP	4B	2006	2/1/2009	2/1/2009 Compliance Schedule for Ammonia
VA0075574	Jerry's Run	Copper, Zinc	001	VDOT I-64 Jerrys Run Rest Area	4B	2006	3/3/2007	2006 Listing Basis: The water is the mixing zone of the I-64 Rest Area in Alleghany County. The permit VA0075574 contains water quality based effluent limits for copper (Cu) and zinc (Zn). The permit contains a schedule of compliance to meet these limits by 3/3/2007 (Category 4B).
VA0031011	Pond Hollow	Nickel, Zinc, Copper	001	Wintergreen Mountain STP	5E	2002	12/31/2007	12/31/07 compliance schedule for zinc, nickel, copper
VA0070327	James River, UT	Ammonia	001	Yogaville WWTP	4B	2004	6/1/2006	6/1/2006 Compliance Schedule for Ammonia
VA0027294	Whispering Creek, UT	Nickel, Silver, Copper & Zinc	001	Buckingham County Water System/Dillwyn STP	4B	2004	4/1/2006	4/1/2006 Compliance Schedule for Nickel, Silver, Copper, and Zinc
VA0006149	Beaverdam Creek	Total residual chlorine	001	James River Correctional Center	4B	2006	7/28/2008	7/28/2008 compliance schedule for total residual chlorine
VA0065552	Carroll Creek UT	Total Recoverable Copper	001	Keswick STP	5E	2006	2/1/2010	2/1/10 compliance schedule for total recoverable copper
VA0088081	Rockfish River	Copper, Nickel, Zinc	001	Nelson County Service Authority	4B	2006	11/20/2005	11/20/05 Compliance schedule for Copper, Nickel, Zinc
VA0082988	Hunters Branch UT	Ammonia (Jun-Nov), Total Recoverable Copper, Total Recoverable Zinc	001	R.S. Glass Commercial Area STP	5E	2006	11/9/2008	11/9/08 Compliance schedule for Ammonia (Jun-Nov), Total Recoverable Copper, Total Recoverable Zinc
VA0075981	Shadwell Creek	Ammonia - (Dec-May)	001	Regent Hospitality LLC	5E	2006	1/23/2007	1/27/07 Compliance schedule for Ammonia (Dec-May)

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VA0055000	Beaver Creek Reservoir UT	Copper, Lead, Zinc	001	Rivanna Water and Sewer Authority	5E	2006	1/10/2009	1/10/09 Compliance schedule for Copper, Lead, Zinc
VA0055018	Totier Creek Reservoir	Zinc	001	Rivanna Water and Sewer Authority	5E	2006	3/8/2009	3/8/09 Compliance schedule for Zinc
VA0071692	Rivanna River	TSS	001	Thomasville Furniture Industries Inc.	4B	2006	9/17/2005	9/17/05 Compliance schedule for TSS
VA0023418	Oliver Creek UT	Total Recoverable Copper	001	Virginia Department of Corrections	5E	2006	6/1/2009	6/1/09 schedule of compliance for total recoverable copper
VA0053813	Pescara Creek to Eastern Branch, Elizabeth R.	Copper, Zinc	004	Colonnas Shipyard, Inc	4B	2006	8/19/2008	
VA0004146	James River	Total Residual Chlorine	006	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0004146	James River	Total Residual Chlorine	007	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0004146	James River	Total Residual Chlorine	008	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0004146	James River	Total Residual Chlorine	009	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0004146	James River	Total Residual Chlorine	010	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0004146	James River	Total Residual Chlorine	011	Dominion Virginia Power Chesterfield Power Station	4B	2006	12/10/2008	12/10/2008 compliance schedule for chlorine
VA0029165	Almond Creek, UT	Lead, Zinc	001	Kinder Morgan Operating LP A	4B	2002	5/1/2005	The permit was issued on 5/1/2001 with a compliance schedule for lead and zinc due 5/1/2005. The limit is in effect but they have been unable to sample to ensure compliance.
VA0073091	Eastern Branch, Elizabeth River	Copper, Zinc	001	Metro Machine Corporation	4B	2006	8/2/2008	
VA0061646	Dark Swamp, UT	Ammonia, zinc	001	Town of Surry WWTP	4B	2006	1/7/2009	1/7/2009 compliance schedule for ammonia and total recoverable zinc
VA0061646	Dark Swamp, UT	Copper	001	Town of Surry WWTP	5E	2004	1/7/2009	2/1/04 compliance schedule for total recoverable copper. The limit is in effect and the facility has not been able to consistently meet the limits. The permit was reissued with more stringent copper limits with another compliance schedule due Jan 2009.
VA0004031	Chickahominy River, UT	E. coli, Zinc	001	Tyson's Foods, Inc. - Glen Allen	4B	2006	11/14/2007	11/14/2007 compliance schedule for E. coli and Zinc
VA0004031	Chickahominy River, UT	Total Phosphorus	001	Tyson's Foods, Inc. - Glen Allen	4B	2006	11/14/2009	11/14/2009 compliance schedule for total phosphorus

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Rappahannock River Basin								
VA0089303	Carter's Creek	pH	001/901	Ampro Shipyard	5E	2004	4/30/2003	4/30/03 compliance schedule for pH. The limit is in effect but is being violated. Consent order pending.
VA0089303	Carter's Creek	pH	007	Ampro Shipyard	5E	2004	4/30/2003	4/30/03 compliance schedule for pH. The limit is in effect but is currently being violated. Consent order pending.
VA0087718	Cabin Branch	Zinc (WET)	001	D.O.C. Coffeewood Correctional Center	4B	2002	8/6/2003	An Executive Agreement, which covers the copper parameter, is still in place.
VA0087718	Cabin Branch	Zinc (WET)	001	D.O.C. Coffeewood Correctional Center	4B	2002	8/6/2003	An Executive Agreement, which covers the zinc parameter, is still in place.
VA0023469	Garland's Millpond, UT	Ammonia, cadmium, silver, total nitrogen, total phosphorus	001	Haynesville Correctional Center	4B	2006	7/8/2009	7/8/2009 compliance schedule for ammonia, cadmium, silver, total nitrogen, and total phosphorus
VA0023469	Garland's Millpond, UT	Copper	001	Haynesville Correctional Center	5E	2002	5/3/2003	5/3/2003 compliance schedule for copper. The limits are in effect but are being violated. Under consent order.
VA0072729	Ruin Branch, Cat Point Creek	Copper Zinc	001	Montross - Westmoreland WWTP	4B	2006	11/19/2008	11/19/2008 compliance schedule for total recoverable copper and total recoverable zinc
VA0086789	Muddy Creek- UT	Copper	001	Oakland Park Sewage Treatment Plant	4B	2004	4/21/2006	Based on permit compliance schedule.
VA0021385	Rapidan River	Copper	001	Orange, Town STP	4B	2002	2/12/2005	Based on permit compliance schedule. The facility is now under a Consent Special Order for the copper parameter.
VA0051144	Rapidan River	TRC	001	Rapidan Service Authority	4B	2006	9/7/2005	9/7/05 Compliance schedule for TRC
VA0029238	Rappahannock River-UT	Copper	001	South Wales Utility, Inc.	4B	2002	8/21/2004	Based on permit compliance schedule. Final copper effluent limits have not yet been met.
VA0029343	Carters Creek	Ammonia	001	The Tides Golf Lodge	4B	2006	10/5/2009	10/5/2009 compliance schedule for chlorine
VA0026891	Totuskey Creek, UT	Ammonia, total nitrogen, total phosphorus	001	Town of Warsaw WWTP	4B	2006	3/29/2010	3/29/2010 compliance schedule for ammonia, total nitrogen, and total phosphorus
VA0026891	Totuskey Creek, UT	Copper, Zinc	001	Town of Warsaw WWTP	4B	2002	3/19/2003	3/19/2003 compliance schedule for copper, zinc. The limits are in effect but are being violated. Under consent order for zinc. New permit was issued with lowered copper limits and another compliance schedule due 3/29/2010
Roanoke/Yadkin River Basins								
VA0020818	Wells Creek, UT	Ammonia (NH3-N)	001	Bedford County School Board - Body Camp Elementary School STP	4B	2006	7/6/2007	2006 Listing Basis: The water is the mixing zone for the Bedford County School Board - Body Camp Elementary School STP (VA0020818). The permit contains a water quality based effluent limit for ammonia (NH3-N). A schedule of compliance (7/06/2007) to meet the limit is in the permit.

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VPDES									
Permit Number	Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details	
VA0020851	Big Otter River, UT	Ammonia (NH3-N)	001	Bedford County School Board - Otter River Elementary School STP	4B	2006	7/6/2007	2006 Listing Basis: The water is the mixing zone for the Bedford County School Board - Otter River Elementary School STP (VA0020851). The permit contains a water quality based effluent limit for ammonia (NH3-N). A schedule of compliance (7/06/2007) to meet the limit is in the permit.	
VA0020842	Nat Branch, UT	Ammonia (NH3-N)	001	Bedford County School Board - Stewartsville Elementary School STP	4B	2006	7/6/2007	2006 Listing Basis: The water is the mixing zone for the Bedford County School Board - Stewartsville Elementary School STP (VA0020842). The permit contains a water quality based effluent limit for ammonia (NH3-N). A schedule of compliance (7/06/2007) to meet the limit is in the permit.	
VA0020869	Wolf Creek, UT	Ammonia (NH3-N)	001	Bedford County School Board - Thaxton Elementary School STP	4B	2006	7/6/2007	2006 Listing Basis: The water is the mixing zone for the Bedford County School Board - Thaxton Elementary School STP (VA0020869). The permit contains a water quality based effluent limit for ammonia (NH3-N). A schedule of compliance (7/06/2007) to meet the limit is in the permit.	
VA0023515	Mattox Creek, UT	Ammonia (NH3-N)	001	Blue Ridge Regional Jail Authority - Moneta Adult Detention Facility STP	4B	2006	9/14/2007	2006 Listing Basis: The water is the mixing zone for the Blue Ridge Regional Jail Authority - Moneta Adult Detention Facility STP (VA0023515). The permit contains a water quality based effluent limit for ammonia (NH3-N). A schedule of compliance (9/14/2007) to meet the limit is in the permit.	
VA0026247	Coleman Creek	Silver, Zinc & Copper	001	Boydton WWTP	4B	2004	3/1/2006	3/1/2006 Compliance Schedule for Silver, Zinc, and Copper	
VA0084433	Twittys Creek	Copper	001	Drakes Branch STP	5E	2002	2/9/2005	Have not met Copper limit effective 2/9/2005.	
VA0029254	Storey Creek	Nickel (Ni), Zinc (Zn)	001	Ferrum Water and Sewage Authority - Ferrum STP	4B	2006	1/25/2008	2006 Listing Basis: The water is the mixing zone for the Ferrum Water and Sewage Authority - Ferrum STP (VA0029254). The permit contains a water quality based effluent limits for nickel (Ni) and zinc (Zn). A schedule of compliance (1/25/2008) to meet the limit is in the permit.	

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VPDES Permit Number	Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
VA0029751	Blackberry Creek	Dissolved Oxygen (BOD5), Ammonia	001	Henry Co. PSA (Receiver) Sanville Utilities Inc. -Fairway Acres Sewage Treatment Plant	5E	2004	10/1/2006	<p>2006 Listing Basis: The initial listing of 2004 continues with the 2006 IR. The Special Order by Consent was amended 9/29/2005 to connect the facility (VA0029751) to the Henry County PSA system by 10/01/2006. Fairway Acres Sewage Treatment Plant is now connected to the Henry County PSA system. However final closure and permit termination have not been achieved. DEQ-WCRO has received and is processing a Termination Request for the permit. Anticipated permit termination and closure is 6/30/2006 (Category 5E).</p> <p>The waters were listed in 2004 and are the mixing zone of the Sanville Utilities, Inc. (Henry County PSA (Receiver)) - Fairway Acres Sewage Treatment Plant (VA0029751). The permit contained water quality based effluent limitations for five-day biological oxygen demand (BOD5), and ammonia nitrogen (NH3-N). A schedule of compliance to meet these limits was in the permit (11/02/03).</p> <p>A Special Order by Consent was consummated with the Henry County PSA (Receiver) to connect the facility to the PSA's system by 6/30/04. The obtainment of easements was stalled. The project is fully funded with approved plans and specifications for construction to begin upon the obtainment of easements. Achievement of the 6/30/04 Consent Order compliance date was not met.</p>
VA0021768	UT, Dockery Creek	Chlorides	001	Mecklenburg County Schools - Parkview High School	4B	2006	5/30/2007	<p>Chlorides limit a result of the special standard (s - Chlorides not to exceed 40 mg/L at any time). This standard was intended for a facility that was never built on Dockery Creek in Mecklenburg County. The special standard is on a list of revisions needed for the next triennial review.</p>
VA0021849	UT, Dockery Creek	Chlorides	001	Mecklenburg County Schools - Parkview Middle School	4B	2006	5/30/2007	<p>Chlorides limit a result of the special standard (s - Chlorides not to exceed 40 mg/L at any time). This standard was intended for a facility that was never built on Dockery Creek in Mecklenburg County. The special standard is on a list of revisions needed for the next triennial review.</p>
VA0083097	Roanoke (Staunton) River	Manganese	009	Old Dominion Electric Cooperative Clover	4B	2006	1/1/2010	<p>Background Manganese data from the Roanoke (Staunton) River indicated a need for the existing Manganese limit and compliance schedule. DEQ and VDH are evaluating the current Manganese standard, a secondary drinking water standard.</p>
VA0062316	Lick Branch	Ammonia	001	Pine Grove STP	5E	1998	6/18/2004	<p>Consent Order issued 6/18/03 - periodic violations of ammonia limit</p>

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VA0027707	UT, Blacks Creek	Ammonia	001	Pittsylvania County Schools - Mount Airy Elementary School	4B	2006	5/24/2007	5/24/2007 Compliance Schedule for Ammonia
VA0027693	UT, Stewart Creek	Ammonia	001	Pittsylvania County Schools - Tunstall High School	4B	2006	8/25/2007	8/25/2007 Compliance Schedule for Ammonia
VA0069337	Flat Creek	Silver, Zinc, Manganese & Cyanide	001	South Hill WWTP	4B	2004	3/1/2006	3/1/2006 Compliance Schedule for Silver, Zinc, Manganese, and Cyanide
VA0068543	Molleys Creek	Ammonia	001	Thousand Trails Lynchburg Preserve	4B	2006	4/1/2009	4/1/2009 Compliance Schedule for Ammonia
VA0020249	Caldwells Creek	Copper	001	Town of Appomattox STP - Trickling Filter	5E	2002	9/20/2003	Permit Re-issued October 18, 2004 with Copper limit included. Limit is currently no being met and draft order sent to facility 7/5/2005. 2006 Cycle - delist Zinc
VA0020320	Banister River	Zinc	001	Town of Halifax	4B	2006	4/1/2007	4/1/2007 Compliance Schedule for Zinc
VA0024058	Ash Camp Creek	Copper	001	Town of Keysville's Municipal STP	5E	2002	6/15/2002	Not meeting new Copper limit - Upgrade and Expansion due to be complete by 2005
VA0076830	UT, Wolfpit Run	Ammonia	001	Town of Virgilina STP	4B	2006	4/1/2007	4/1/2007 Compliance Schedule for Ammonia
VA0001465	Falling Creek	Whole Effluent Toxicity (WET), Copper (Cu)	001	Western Virginia Water Authority - Falling Creek Water Filtration Plant	4B	2006	8/28/2008	2006 Listing Basis: The water is the mixing zone for the Western Virginia Water Authority - Falling Creek WTP (VA0001465). The permit contains a water quality based effluent limit for Whole Effluent Toxicity (WET) chronic and total recoverable copper (Cu). A schedule of compliance (8/28/2008) to meet the limit is in the permit.
VA0066575	Birds Branch, UT	Copper, Zinc	001	Groundhog Mtn. Water and Sewer Co., Inc. - Groundhog Mountain Resort STP	4B	2004	9/2/2006	2006 Listing Basis: Originally listed with the 2004 IR the water is the mixing zone for the Groundhog Mtn. Water and Sewer Co., Inc. - Groundhog Mountain Resort STP (VA0066575). The permit contains a water quality based effluent limits for total recoverable copper (CU) and total recoverable zinc (Zn) for outfall 001. A schedule of compliance (9/06/2006) to meet the limit is in the permit.
Chowan River and Dismal Swamp Basins								
VA0061859	Nottoway River	Ammonia	001	Courtland and Environs WWTP	4B	2006	7/30/2009	
VA0081779	Stony Creek	Copper	001	Dinwiddie Courthouse STP	5E	2002	8/23/2003	8/23/2003 compliance schedule for copper (silver was previously delisted). The copper limit is in effect and no compliance schedule was included when the permit was reissued, however the limit is currently being violated. The facility is under a consent order with an enforcement limit for copper which is, generally, met.
VA0066869	Mallorys Creek	Ammonia	001	DOC - Nottoway Correctional Center	4B	2006	4/25/2007	4/25/2007 Compliance Schedule for Ammonia

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VPDES Permit Number	Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
VA0028916	Fontaine Creek	Ammonia	001	EconoLodge-Skippers	4B	2006	3/30/2006	Compliance schedule had various dates based on approval of CER and start of construction. Permittee says upgrade not necessary due to 3 acceptable analyses. Limit will go into effect when revised DMR is sent.
VA0023922	Blackwater River	Copper, Silver	001	Franklin STP	4B	2006	7/1/2008	
VA0026239	Seay Creek	Parathion & Iron	001	Kenbridge STP	4B	2004	12/10/2006	12/10/2006 Compliance Schedule for Parathion and Iron
VA0088978	Black Swamp, UT	Copper	001	Sussex Service Authority's Black Swamp STP	5E	2002	7/28/2004	4 year compliance schedule for copper due 7/28/2004. The copper limit is currently being violated.
VA0020761	Hickory Swamp	Zinc	001	Town of Jarratt STP	4B	2004	7/29/2006	The permit was issued 7-29-2002 with a 4 year compliance schedule for total recoverable zinc due 7-29-2006.
VA0020354	Roses Creek	Zinc	001	Town of Lawrenceville WWTP	4B	2006	6/17/2006	6/17/2006 compliance schedule for total recoverable zinc
Tennessee/Big Sandy River Basins								
VA0065854	Lick Creek, UT	Ammonia	001	St. Paul Apparel Inc., STP	4B	2002	9/30/2005	The facility has a compliance schedule to meet ammonia limits as of September 2005. The facility is not discharging because the building is unoccupied at this time. Due to the no discharge status of the facility we can not verify compliance with ammonia limits. It will stay on the TMDL list.
VA0026506	Big Moccasin Creek	Ammonia	001	Gate City STP	4B	1998	9/22/1998	As of Jan. 2001 it has a consent order to achieve compliance. The construction of new lines to convey the plant flows to Holston Regional STP is anticipated in the fall of 2005. The owner by consent order will close this STP when the connection is completed and all sewage will be conveyed to Holston Regional WWTP at that time.
Chesapeake Bay/Atlantic/Small Coastal Basins								
VA0078778	Beaverdam Swamp	Chlorine	001	Gloucester County WWTP	4B	2006	11/22/2009	11/22/2009 compliance schedule for chlorine
VA0020788	Indian Creek, UT	Copper, Zinc	001	Kilmarnock WWTP	5E	2002	6/7/2003	6/7/2003 compliance schedule for copper and zinc. The limits are in effect but are currently being violated. Under consent order.
VA0028461	Dragon Swamp, UT	Ammonia	001	Rappahannock Community College	4B	2006	8/3/2006	2/3/2008 compliance schedule for Ammonia
VA0024457	UT-Little Mosquito Creek	Copper	001	US - NASA Wallops Flight Facility	4B	2006	8/23/2008	
VA0003867	Cockrell Creek	Ammonia, Cyanide	001	Zapata Protein	5E	1998	12/17/2001	The facility had a compliance schedule for ammonia and cyanide. The limit is in effect but is currently being violated. The facility is under a consent order and permit action is pending.

2006 Water Quality Based Limited Sources - Category 4B and 5E Waters

VPDES Permit Number	Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
VA0003867	Cockrell Creek	Fecal coliform, enterococci	002	Zapata Protein	4B	2006	12/2/2009	4 year compliance schedule for fecal coliform and enterococci due 12/2/2009
VA0003867	Cockrell Creek	Total phosphorus	002	Zapata Protein	4B	2006	12/2/2008	3 year compliance schedule for Total Phosphorus due 12/2/2008
VA0003867	Chesapeake Bay	Total phosphorus	003	Zapata Protein	4B	2006	12/2/2008	3 year compliance schedule for total phosphorus due 12/2/2008
VA0003867	Cockrell Creek	Copper, silver	995	Zapata Protein	4B	2006	12/2/2009	4 year compliance schedule for copper and silver due 12/2/2009
VA0003867	Cockrell Creek	Total phosphorus, total nitrogen	996	Zapata Protein	4B	2006	12/2/2009	4 year compliance schedule for total nitrogen and total phosphorus due 12/2/2009 (calculated sum of all outfalls)
York River Basin								
VA0073504	Polecat Creek	Copper	001	Caroline County Regional WWTP	4B	2004	6/9/2006	Based on permit compliance schedule.
VA0052906	North Anna River, UT	Total Residual Chlorine	001	Doswell All-American Travel Plaza	4B	2006	2/20/2010	2/20/2010 compliance schedule for chlorine
VA0029521	North Anna River	Cyanide	001	Doswell WWTF	4B	2006	5/19/2007	5/19/07 compliance schedule for cyanide. Subsequent data shows no limit is need; permit modification to remove the limit is pending
VA0060887	South River-UT	Copper, Nickel, Selenium, Zinc	001	Land' Or Utility Co. Inc.	4B	2002	12/20/2005	Based on permit compliance schedule. Final copper, lead, selenium, and zinc effluent limits have not yet been met.
VA0070572	Mechumps Creek	Copper, Zinc, Ammonia, WET	001	Truckstops of America BP	5E	2002	2/1/2004	2/1/2004 compliance schedule for total recoverable copper, total recoverable zinc, ammonia, and whole effluent toxicity (WET). The limits are in effect, but the facility has been unable to achieve compliance.
New River Basin								
VA0052850	Stroubles Creek, UT	Copper	001	Blacksburg-Christiansburg-VPI Water Authority WTP	4B	2004	3/12/2006	2006 Listing Basis: The water is the mixing zone for the Blacksburg-Christiansburg-VPI Water Authority WTP (VA0052850). The permit contains a water quality based effluent limit for total recoverable copper (CU) for outfall 001. A schedule of compliance (3/12/06) to meet the limit is in the permit. The copper effluent limitation is in effect but there are insufficient discharge monitoring data to delist the facility at this time.
VA0000281	Peak Creek	Zinc (Zn)	001	Magnox Pulaski, Inc.	4B	2006	7/9/2008	2006 Listing Basis: The water is the mixing zone for Magnox Pulaski, Inc. (VA0000281). The permit contains a water quality based effluent limit for total recoverable zinc (Zn). A schedule of compliance (7/9/2008) to meet the limit is in the permit.

2006 Water Quality Based Limited Sources - Category 4B and 5E Waters

VPDES Permit						First	Compliance	Details
Number	Stream Name	Parameter	Outfall	Source	Cat	Listing	Date	
VA0000248	New River	Whole Effluent Toxicity (WET)	006	US Army & Alliant Ammunition and Powder Co. L.L.C. - Radford Army Ammunition Plant	4B	2006	6/10/2009	2006 Listing Basis: The water is the mixing zone for the US Army & Alliant Ammunition and Powder Co. L.L.C. - Radford Army Ammunition Plant (VA0000248). The permit contains a water quality based Whole Effluent Toxicity (WET) acute limit for outfall 006. A schedule of compliance (6/10/2009) to meet the limit is in the permit.
VA0000248	New River	Whole Effluent Toxicity (WET)	007	US Army & Alliant Ammunition and Powder Co. L.L.C. - Radford Army Ammunition Plant	4B	2006	6/10/2009	2006 Listing Basis: The water is the mixing zone for the US Army & Alliant Ammunition and Powder Co. L.L.C. - Radford Army Ammunition Plant (VA0000248). The permit contains a water quality based Whole Effluent Toxicity (WET) acute limit for outfall 007. A schedule of compliance (6/10/2009) to meet the limit is in the permit.